

SYSTEM AND METHOD FOR DISPARATE  
PHYSICAL INTERFACE CONVERSION

ABSTRACT OF THE DISCLOSURE

5 A system and method provides for the conversion of  
disparate physical interfaces. The system and method  
includes one or more serial interfaces that interface  
with devices having disparate serial interfaces. One or  
more physical modules, associated with the serial  
10 interfaces, interface with one or more components having  
disparate physical interfaces but that do not support  
serial interfaces. The physical modules are able to  
interface with a variety of different components having  
different physical interfaces. A conversion module  
associated with the physical modules and the serial  
15 interfaces serializes or deserializes the data  
transmitted between the physical modules and the serial  
interfaces. A plurality of queues order the data  
transmissions between the components and the serial  
20 interfaces to prevent data bottlenecks. A backplane may  
be utilized as the facility for high speed communication  
allowing the components having disparate physical  
interfaces to interface with each other and the  
backplane.